



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

# SCIENCE

A WEEKLY JOURNAL DEVOTED TO THE ADVANCEMENT OF SCIENCE, PUBLISHING THE  
OFFICIAL NOTICES AND PROCEEDINGS OF THE AMERICAN ASSOCIATION  
FOR THE ADVANCEMENT OF SCIENCE.

EDITORIAL COMMITTEE: S. NEWCOMB, Mathematics; R. S. WOODWARD, Mechanics; E. C. PICKERING, Astronomy; T. C. MENDENHALL, Physics; R. H. THURSTON, Engineering; IRA REMSEN, Chemistry; CHARLES D. WALCOTT, Geology; W. M. DAVIS, Physiography; HENRY F. OSBORN, Paleontology; W. K. BROOKS, C. HART MERRIAM, Zoology; S. H. SCUDDER, Entomology; C. E. BESSEY, N. L. BRITTON, Botany; C. S. MINOT, Embryology, Histology; H. P. BOWDITCH, Physiology; J. S. BILLINGS, Hygiene; WILLIAM H. WELCH, Pathology; J. McKEEN CATTELL, Psychology.

FRIDAY, NOVEMBER 21, 1902.

THE SMITHSONIAN INSTITUTION AND ITS  
AFFILIATED BUREAUS.

## CONTENTS:

<i>The Smithsonian Institution and its Affiliated Bureaus</i> .....	801
<i>The Huxley Lecture on Recent Studies of Immunity, with Special Reference to their Bearing on Pathology, I.: PROFESSOR WILLIAM H. WELCH</i> .....	804
<i>The Length of the College Year and College Course: PRESIDENT J. G. SCHURMAN</i> .....	816
<i>Scientific Books:—</i>	
<i>Baldwin's Development and Evolution: PROFESSOR H. W. CONN</i> .....	819
<i>Scientific Journals and Articles</i> .....	821
<i>Societies and Academies:—</i>	
<i>The American Association for the Advancement of Science: DR. L. O. HOWARD. The American Physical Society: ERNEST MERRITT. The Biological Society of Washington: F. A. LUCAS. The Torrey Botanical Club: PROFESSOR EDWARD S. BURGESS. Columbia University Geological Journal Club: H. W. SHIMER. The Las Vegas Science Club: T. D. A. C.</i> .....	821
<i>Discussion and Correspondence:—</i>	
<i>The Bureau of American Ethnology: PROFESSOR FRANZ BOAS. A Correction of Professor Osborn's Note entitled 'New Vertebrates of the Mid-Cretaceous': J. B. HATCHER</i> .....	828
<i>Shorter Articles:</i>	
<i>A Case of Mimicry Outmimicked? Concerning Kallima Butterflies in Museums: PROFESSOR BASHFORD DEAN. 'Root-pressure' in Begonia (Fletcher's Seedling): PROFESSOR JAMES B. DANDENO. The Grand Gulf Formation: PROFESSOR EUGENE A. SMITH, TRUMAN H. ALDRICH</i> .....	83
<i>The John Fritz Medal: PROFESSOR R. H. THURSTON</i> .....	837
<i>Another Hodgkins Gold Medal Awarded</i> .....	838
<i>The National Academy of Sciences</i> .....	838
<i>Scientific Notes and News</i> .....	838
<i>University and Educational News</i> .....	840

MSS. intended for publication and books, etc., intended for review should be sent to the responsible editor, Professor J. McKeen Cattell, Garrison-on-Hudson, N. Y.

A LETTER from Professor Franz Boas concerning the Bureau of American Ethnology, published in this issue of SCIENCE, calls attention anew to the unsatisfactory status of the bureaus of the Government under the supervision of the Smithsonian Institution. The anomalous relations which the National Museum has long sustained to the Smithsonian Institution were considered at length in SCIENCE, N. S., Vol. V., No. 106, January 8, 1897. The conclusions reached in that number of the journal are summed up in the following paragraph:

"There is no logical connection between the Smithsonian Institution and the National Museum. The museum is a most important institution; it is now well established; its maintenance is demanded by the people, and it will thrive under a competent director, responsible only to Congress or to the head of some department under which it could properly be placed. The usefulness of the Smithsonian Institution will be increased by the diminution of burdensome administrative duties which were never contemplated in its original